

SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000283596	A2	20001013	JP 1999-88324	19990330

AB The title app. comprises a primary medium system including a **heat exchanger** for generating primary medium steam by heat exchanging with exhaust gas (e.g., combustion waste gas), a **condenser** for **condensing** primary medium steam, and a turbine for recovery of pressure energy from primary medium steam; a secondary medium system including a compressor for compressing a secondary medium, a **condenser** for **condensing** compressed secondary medium, an expansion valve for expanding secondary medium, and an **evaporator** for recovery of evapn. latent heat of the secondary medium, and a coupling shaft for connecting the turbine and the compressor. The **condensable** secondary medium is NH3, C3H8, etc.

L1 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 1977:490549 CAPLUS
 DOCUMENT NUMBER: 87:90549
 TITLE: **Evaporation**-distillation apparatus using heat lost by a **steam turbine**
 PATENT ASSIGNEE(S): Appareils et Evaporateurs Kestner, Fr.
 SOURCE: Belg., 10 pp.
 CODEN: BEXXAL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 839737	A1	19760716	BE 1976-165309	19760318
FR 2306941	A1	19761105	FR 1975-10748	19750407
FR 2306941	B1	19780630		
NL 7603282	A	19761011	NL 1976-3282	19760330
ES 446704	A1	19770601	ES 1976-446704	19760403

PRIORITY APPLN. INFO.: FR 1975-10748 19750407

AB The falling film **evaporator** uses low-pressure steam, e.g., waste steam from steam turbines, to heat the water, using low temps. and small temp. differences. The water is **condensed** in a **heat-exchanger** which also prewarms the feedwater.

=>

BEST AVAILABLE COPY

CC 61-3 (Water)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 839737	A1	19760716	BE 1976-165309	19760318 <--
	FR 2306941	A1	19761105	FR 1975-10748	19750407
	FR 2306941	B1	19780630		
	NL 7603282	A	19761011	NL 1976-3282	19760330
	ES 446704	A1	19770601	ES 1976-446704	19760403
PRAI	FR 1975-10748		19750407		

AB The falling film evaporator uses low-pressure steam, e.g., waste steam from steam turbines, to heat the water, using low temps. and small temp. differences. The water is condensed in a heat-exchanger which also prewarms the feedwater.

ST evaporator water purifn heat recovery

IT Evaporators

(for water purifn., heat from steam turbine in)

IT Water purification

(evapn., app. for, waste heat recovery from steam turbine in)

IT Heat

(waste, recovery of, in water evaporator)

=>

BEST AVAILABLE COPY